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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/614,122		07/08/2003	Sang Ok Lee	2729-159	6041	
22429	7590	07/14/2004	EXAMINER			
LOWE HAUPTMAN GILMAN AND BERNER, LLP 1700 DIAGONAL ROAD				JIANG, C	JIANG, CHEN WEN	
SUITE 300 /310			ART UNIT	PAPER NUMBER		
ALEXANDRIA, VA 22314				3744		

DATE MAILED: 07/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

			\mathcal{N}			
		Application No.	Applicant(s)			
		10/614,122	LEE ET AL.			
	Office Action Summary	Examiner	Art Unit			
		Chen-Wen Jiang	3744			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the	correspondence address			
A SH THE - Exte after - If the - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. e period for reply specified above is less than thirty (30) days, a reply of period for reply is specified above, the maximum statutory period we are to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	6(a). In no event, however, may a reply be tin within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	mely filed /s will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).			
Status						
1)[🛛	Responsive to communication(s) filed on 14 Ma	<u>ay 2004</u> .				
2a)□	This action is FINAL . 2b)⊠ This	action is non-final.				
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under E.	x parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.			
Dispositi	ion of Claims					
5)□ 6)⊠ 7)□	Claim(s) <u>1-19</u> is/are pending in the application. 4a) Of the above claim(s) <u>13-19</u> is/are withdraw Claim(s) is/are allowed. Claim(s) <u>1-12</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or					
Applicati	on Papers					
10)⊠	The specification is objected to by the Examiner The drawing(s) filed on <u>08 July 2003</u> is/are: a) Applicant may not request that any objection to the description of the description of the description of the correction of the oath or declaration is objected to by the Example 1.	☑ accepted or b) ☐ objected to large displayments. See the large displayment and accepted if the drawing(s) is obtained.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority u	ınder 35 U.S.C. § 119					
12)⊠ a)ໂ	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau see the attached detailed Office action for a list of	have been received. have been received in Applicati ty documents have been receive (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachment	• •	_				
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
3) 🔯 Inforn Paper	nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date 20031114.		atent Application (PTO-152)			

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DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of Invention I (claims 1-12) in the reply filed on 5/14/2004 is acknowledged. The traversal is on the ground(s) that the Examiner failed to demonstrate the hypothetical process can be regarded as a materially different process. This is not found persuasive because forging and welding are not hypothetical processes since these processes and disclosed in prior art, e.g., KR-P2000-0047336 provided in PTO-1449).

The requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- 3. Claims 1 and 10 are rejected under 35 U.S.C. 102(b) as being anticipated by Shinoda et al. (JP 09324962).

Shinoda et al. disclose a liquid receiver integrated condenser. Referring to Fig. 1, the device comprises a filter 12, a liquid receiver 3, a refrigerant inlet 9 at the upper part of the receiver, a refrigerant outlet 10, a protruding portion 11b at upper end of the filter 12 and a coupling portion 13.

4. Claims 1,2,10 and 12 are rejected under 35 U.S.C. 102(a) as being anticipated by Hiihama (JP 2002107009).

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Hiihama discloses a filter-holding structure of receiver. The device comprises a cylindrical body 33, a filter 37, a coupling 39 having a press-in part 67, refrigerant inlet 29, refrigerant outlet 31, a protruding portion 59 at upper end of the filter 37.

Claim Rejections - 35 USC § 103

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 6. Claims 4-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shinoda et al. or Hiihama in view of Bernini (U.S. Patent Number 6,446,463).

In regard to claim 4, Shinoda et al. or Hiihama discloses the invention substantially as claimed. However, Shinoda et al. and Hiihama does not disclose a supporting ring. Bernini discloses supporting rings 5 in the same field of endeavor for the purpose of sealing. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the apparatus of Shinoda et al. or Hiihama with a ring in view of Bernini so as to provide sealing.

In regard to claim 8, the structure to install sealing ring is a design choice.

7. Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shinoda et al. or Hiihama.

Shinoda et al. or Hiihama discloses the invention substantially as claimed. The product by process has no weight in the apparatus claims.

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8. Claims 3 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shinoda et al. or Hiihama in view of Kato et al. (U.S. Patent Number 6,295,832) or Yamazaki et al. (U.S. Patent Number 6,494,059).

Shinoda et al. or Hiihama discloses the invention substantially as claimed. However, Shinoda et al. and Hiihama does not disclose pressing the body inward forms the protruding portion. Kato et al. (Fig. 6) Yamazaki et al. (Fig. 9) disclose pressing the body in the analogous art to retain parts. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the apparatus of Shinoda et al. or Hiihama with pressing protrusion in view of Kato et al. or Yamazaki et al. so as to retain the filter.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chen-Wen Jiang whose telephone number is (703) 308-0275. The examiner can normally be reached on Tuesday-Friday from 7:00 to 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Denise Esquivel can be reached on (703) 308-2597. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free)

Chen-Wen Jiang Primary Examiner